

EXHIBIT C

TARGET COMPOUND LIST (TCL)
AND CONTRACT REQUIRED QUANTITATION LIMITS (CRQLs) for CDDs and CDFs

Exhibit C - Target Compound List and Contract Required Quantitation Limits

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Exhibit C -- Section 1
CDD/CDF Target Compound List and CRQLs

1.0 CHLORINATED DIBENZO-P-DIOXIN/CHLORINATED DIBENZOFURAN (CDD/CDF) TARGET COMPOUND LIST (TCL) AND CONTRACT REQUIRED QUANTITATION LIMITS (CRQLs)

CDD/CDF	CAS No.	WATER (pg/L)	SOLIDS* (ng/Kg)
2378-TCDD	1746-01-6	10	1.0
12378-PeCDD	40321-76-4	50	5.0
123678-HxCDD	57653-85-7	50	5.0
123478-HxCDD	39227-28-6	50	5.0
123789-HxCDD	19408-74-3	50	5.0
1234678-HpCDD	35822-46-9	50	5.0
OCDD	3268-87-9	100	10
2378-TCDF	51207-31-9	10	1.0
12378-PeCDF	57117-41-6	50	5.0
23478-PeCDF	57117-31-4	50	5.0
123678-HxCDF	57117-44-9	50	5.0
123789-HxCDF	72918-21-9	50	5.0
123478-HxCDF	70648-26-9	50	5.0
234678-HxCDF	60851-34-5	50	5.0
1234678-HpCDF	67562-39-4	50	5.0
1234789-HpCDF	55673-89-7	50	5.0
OCDF	39001-02-0	100	10

* Solids include soil, sediment, sludge, tissue (no human tissue), ash, oil, and oil matrices.

NOTE: The values in these tables are quantitation limits, not absolute detection limits. The amount of material necessary to produce a detector response that can be identified and reliably quantified is greater than that needed to be simply detected above the background noise. The quantitation limits in these tables are set at the concentrations in the sample equivalent to the concentration of the lowest calibration standard analyzed for each analyte.

Specific quantitation limits are highly matrix-dependent. The quantitation limits listed herein are provided for guidance and may not always be achievable.

These CRQL values are based on the analysis of samples according to the specifications given in Exhibit D. Sample data are reported on a dry weight basis for all non-aqueous samples [except tissues which are reported on a wet weight basis, along with their Percent Lipid (% Lipid) content].

1.1 CHLORINATED BIPHENYL (CB) CONGENERS TARGET COMPOUND LIST (TCL) AND CONTRACT REQUIRED QUANTITATION LIMITS (CRQLs)

2.0 TOTAL HOMOLOGUES

Data are reported for the total concentration of all detected chlorinated dibenzo-p-dioxins (CDDs) or chlorinated dibenzofurans (CDFs) in the following homologues. However, because the number of non-2,3,7,8-substituted isomers that might be detected in a sample is unpredictable, it is not possible to assign Contract Required Quantitation Limits (CRQLs) values to the total homologue concentrations.

Homologue	CAS No.	No. of Possible Isomers	No. of 2,3,7,8- Substituted Isomers
Total TCDD	41903-57-5	22	1
Total PeCDD	36088-22-9	14	1
Total HxCDD	34465-46-8	10	3
Total HpCDD	37871-00-4	2	1
Total TCDF	55722-27-5	38	1
Total PeCDF	30402-15-4	28	2
Total HxCDF	55684-94-1	16	4
Total HpCDF	38998-75-3	4	2

There is only one isomer in both the OCDD and OCDF homologues, hence the total concentration is the same as the 2,3,7,8-substituted concentration.

Homologue	Definition
TCDD =	Tetrachlorinated dibenzo-p-dioxin
TCDF =	Tetrachlorinated dibenzofuran
PeCDD =	Pentachlorinated dibenzo-p-dioxin
PeCDF =	Pentachlorinated dibenzofuran
HxCDD =	Hexachlorinated dibenzo-p-dioxin
HxCDF =	Hexachlorinated dibenzofuran
HpCDD =	Heptachlorinated dibenzo-p-dioxin
HpCDF =	Heptachlorinated dibenzofuran
OCDD =	Octachlorinated dibenzo-p-dioxin
OCDF =	Octachlorinated dibenzofuran